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A PRI ICA TIONI NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/944,665	08/31/2001	Toshiharu Furukawa	BUR919990305US1	3799
7590 08/01/2002 Whitham, Curtis & Christofferson, P.C.		P.C.	EXAM	MINER
11491 Sunset Hills Road, Suite 340 Reston, VA 20190			LOKE, STEVEN HO YIN	
reosion, vii 2		•	ART UNIT	PAPER NUMBER
,			2811	

Please find below and/or attached an Office communication concerning this application or proceeding.

			Vr
	Application N .	Applicant(s)	
	09/944,665	FURUKAWA E	T AL.
Office Action Summary	Examiner	Art Unit	
	Steven Loke	2811	
The MAILING DATE of this communication	appears on the cover sheet w	ith the correspondence	address
eriod for Reply	•		
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by st - Any reply received by the Office later than three months after the meaning patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of throod will apply and will expire SIX (6) MO	reply be timely filed irty (30) days will be considered t NTHS from the mailing date of th	imely. is communication.
Status		. 11	
1) Responsive to communication(s) filed on			•
2a) ☐ This action is FINAL. 2b) ☑-	This action is non-final.		ilia marta ia
3) Since this application is in condition for all closed in accordance with the practice un Disposition of Claims	lowance except for formal m der <i>Ex parte Quayle</i> , 1935 C	atters, prosecution as t D. 11, 453 O.G. 213.	o the ments is
——4)⊠=Claim(s)= <u>1-44</u> .is/are_pending_in_the_applica	ation.	•	
4a) Of the above claim(s) is/are with	drawn from consideration.		
5) Claim(s) is/are allowed.			* * *
6)☐ Claim(s) is/are rejected.	* 5-5	,	
7) Claim(s) is/are objected to.	le la		
8) Claim(s) 1-44 are subject to restriction and	I/or election requirement.	***	*
Application Papers			
9) The specification is objected to by the Exam	miner.	v the Examiner	
10) ☐ The drawing(s) filed on is/are: a) ☐	accepted of b) objected to b	evance See 37 CFR 1:85	5(a).
Applicant may not request that any objection	to the drawing(s) be jield it app	I disapproved by the Ex	aminer.
11)☐ The proposed drawing correction filed on _	is. a) approved b)	disapproved by the Ex	
If approved, corrected drawings are required		***	
12)☐ The oath or declaration is objected to by th	e Examinei.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim for fo	oreign priority under 35 U.S.	C. § 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:		?	
1. Certified copies of the priority docu	ments have been received.		•
2. Certified copies of the priority docu	ments have been received in	n Application No	- •
Copies of the certified copies of the application from the Internation * See the attached detailed Office action for	a list of the certified copies	not received.	
14) ☐ Acknowledgment is made of a claim for do	mestic priority under 35 U.S	.C. § 119(e) (to a provis	sional application).
a) The translation of the foreign languated to the foreign language to the foreign langu	ne provisional application ha	s been received.	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-9 3) Information Disclosure Statement(s) (PTO-1449) Paper I	48) 5) Notice	iew Summary (PTO-413) Pa e of Informal Patent Applicati :	per No(s) on (PTO-152)
To demode Office			Part of Paper No. 7

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Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-10, 18-44, drawn to a semiconductor device, classified in class 257, subclass 328.
- II. Claims 11-17, drawn to a method to make a semiconductor device, classified in class 438, subclass 22+.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct-if-either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, unpatentability of the group I invention would not necessarily imply unpatentability of the group II invention, since the device of the group I invention could be made by processes materially different than those/that of the group II invention, for example, in claim 11, forming a semiconductor pillar on a layer of semiconductor material first, then forming the first insulating material adjacent to the pillar.

2. Should Applicant elect Group I claims to be examined. Applicant is advised that this application is further restricted because it contains product Claims 1-10 and 18-44 directed to the following patentably distinct species of the claimed invention:

Embodiment I: figs. 24B, 24C.

Embodiment II: figs. 39Å, 39B.

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Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

3. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (703) 308-4920. The examiner can normally be reached on 7:50 am to 5:20 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

sl July 30, 2002. Steven Loke Primary Examiner